

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method for executing multiple functions, comprising:
defining a ~~first~~ superfunction;
defining a ~~second~~ derived function, wherein said superfunction is explicitly specified and said derived function inherits from said superfunction in an inheritance relationship to said first function;
calling said ~~second~~ derived function, comprising [[:]] transparently executing ~~instantiating~~ said ~~first~~ superfunction and then ~~instantiating~~ executing said ~~second~~ derived function after said superfunction has been executed,
wherein arguments of said superfunction and said derived function are the same.
2. (Currently Amended) The method of claim 1, further comprising:
destructing said ~~second~~ derived function and then said ~~first~~ superfunction.
3. (Currently Amended) The method of claim 2, further comprising:
halting the ~~instantiation~~ executing process when any function exits in an error condition.
4. (Currently Amended) The method of claim 1, further comprising:
accessing a table to determine whether an inheritance relationship exists between said ~~first~~ superfunction and said ~~second~~ derived function.
5. (Previously Presented) The method of claim 4, wherein said table is stored in a random access memory.
6. (Currently Amended) A computer program product comprising:
a computer usable medium having computer readable program code embodied therein configured to execute multiple functions, said computer program product comprising:
computer readable code configured to cause a computer to define a ~~first~~ superfunction;

computer readable code configured to cause a computer to define a ~~second~~ derived function, wherein said superfunction is explicitly specified and said derived function inherits from said superfunction in an inheritance relationship to said first function; and computer readable code configured to cause a computer to call said ~~second~~ derived function, comprising:

computer readable code configured to cause a computer to transparently execute ~~instantiate~~ said ~~first~~ superfunction and then ~~instantiate~~ execute said ~~second~~ derived function after said superfunction has been executed, wherein arguments of said superfunction and said derived function are the same.

7. (Currently Amended) The computer program product of claim 6, further comprising:
computer readable code configured to cause a computer to destruct said ~~second~~ derived function and then said ~~first~~ superfunction.
8. (Currently Amended) The computer program product of claim 7, further comprising:
computer readable code configured to cause a computer to halt the ~~instantiation~~ executing process when any function exits in an error condition.
9. (Currently Amended) The computer program product of claim 6, further comprising:
computer readable code configured to cause a computer to access a table to determine if an inheritance relationship exists between said ~~first~~ superfunction and said ~~second~~ derived function.
10. (Previously Presented) The computer program product of claim 9, wherein said table is stored in a random access memory.